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<p>(21) International Application Number: PCT/US98/21632</p> <p>(22) International Filing Date: 20 October 1998 (20.10.98)</p> <p>(30) Priority Data:</p> <table> <tr> <td>60/064,673</td> <td>20 October 1997 (20.10.97)</td> <td>US</td> </tr> <tr> <td>60/062,496</td> <td>20 October 1997 (20.10.97)</td> <td>US</td> </tr> <tr> <td>60/062,497</td> <td>20 October 1997 (20.10.97)</td> <td>US</td> </tr> </table> <p>(71) Applicant (for all designated States except US): COMSAT CORPORATION [US/US]; 6560 Rock Spring Drive, Bethesda, MD 20817 (US).</p> <p>(72) Inventors; and</p> <p>(73) Inventors/Applicants (for US only): AGARWAL, Anil, K. [US/US]; 409 Midsummer Drive, Gaithersburg, MD 20878 (US). HARIHARAN, Moorthy, N. [US/US]; 12109 Skip Jack Drive, Germantown, MD 20874 (US).</p> <p>(74) Agents: CUSHING, David, J. et al.; Sughrue, Mion, Zinn, MacPeak & Seas, PLLC, Suite 800, 2100 Pennsylvania Avenue, N.W., Washington, DC 20037-3202 (US).</p>		60/064,673	20 October 1997 (20.10.97)	US	60/062,496	20 October 1997 (20.10.97)	US	60/062,497	20 October 1997 (20.10.97)	US	<p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</p>	
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<p>(54) Title: A METHOD FOR UPLINK POWER CONTROL FOR DISTRIBUTED SATELLITE NETWORKS TO COMPENSATE FOR RAIN FADE</p> <p>(57) Abstract</p> <p>A method for dynamically determining the power compression point of an amplifier in a distributed network under the control of a computer, the network having a first terminal (600) including the amplifier operatively coupled to a plurality of second terminals (500) by a communication channel including the steps for generating bit error rate (BER) messages indicative of measured BER for a signal transmitted at N power levels, the BER messages including respective tags indicative of the N power levels for that BER, at the second terminals (500), and reducing the maximum allowed power of the amplifier when it is determined that the amplifier is approaching saturation responsive to the BER messages. Also described is a method for dynamic uplink power control for an amplifier in a distributed network.</p>												
<p>Legend:</p> <ul style="list-style-type: none"> MRT: MASTER REFERENCE TERMINAL SRT: SECONDARY REFERENCE TERMINAL TT: TRAFFIC TERMINAL TX: TRANSMIT 												

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